

**ABSTRACT**

The present disclosure generally relates to dyed melamine fabrics and methods for dyeing melamine fabrics. In one arrangement, the fabrics comprise a plurality of melamine fibers, wherein the flame resistant fabric has been dyed through a beam dyeing process in which the fabric has not been mechanically agitated. In one arrangement, the methods comprise the steps of wrapping melamine fabric around a perforated beam of a beam dyeing machine such that several layers of fabric surround the beam, injecting dyebath into the beam so that it penetrates the fabric layers, and circulating the dyebath through the fabric layers until the fabric is dyed to a desired shade.

TO E20 16031630